OWNER'S MANUAL

CARGOMax

XRT 8-57 — *Xtreme Rugged Technology*

THE ULTIMATE "GRAB AND GO" TRAILER!

Retain this manual for future reference.

⚠ ATTENTION ⚠ ATTENTION ⚠ ATTENTION

Read and follow all safety rules and operating instructions carefully before using trailer.
Serious injury, potential death and/or mechanical failure could result from neglecting to take appropriate action.

We appreciate your business and hope you are proud of your new FLOE Cargo Max XRT trailer – a pride that will continue throughout the years. If you shopped trailers before deciding on the Floe, you probably concluded that our trailer has numerous features not commonly found on others.

At FLOE International, we take great pride in providing the highest quality trailer, with the latest state-of-the-art features, at an affordable price. Each year we implement improvements to our product lines to ensure that we are on the "leading edge" and providing the best available trailer.

We are confident your FLOE trailer will provide you with years of trouble-free trailering, and that if you decide to buy another trailer, it is because you want another FLOE model.

Please take the time to read and understand this owner's manual before towing your new trailer. The information offered here will have a direct impact on your safety, the safety of others, and the dependability of your trailer.

Thank you for choosing FLOE.

Sincerely,

Wayne Floe, CEO – Floe International Wayne Floe

This manual includes the latest information at the time it was printed. We reserve the right to make changes in the product after that time without notice. Keep this manual so it will be available to whoever is using this product.

IMPORTANT SAFETY INFORMATION

Your safety and the safety of others is very important. We have provided many important safety messages in this manual and on your trailer. Always read and obey all safety messages.

If you do not understand any of these instructions, please ask your dealer or call FLOE customer service at 800-336-6337.

This is the safety alert symbol. This symbol alerts you to hazards that can cause serious injury or potential death to you and others, plus damage to the trailer. All safety messages will be preceded by the safety alert symbol and the word "WARNING" or "CAUTION".

⚠ WARNING

Serious injury, potential death or mechanical failure could result from neglecting to take appropriate action.

All safety messages will identify the hazard and tell you how to reduce the chance of injury.

Contents

For assembly instructions and part numbers refer to assembly instructions book.

Important Safety Information 3
Reporting Safety Defects 3

Hitch Selection 4
Hitch Coupler Adjustment 4
FLOE Tilt Clamp 5
Secure Your Trailer 5
Trailer Lighting System 6

Capacity & Weight Distribution 7
Proper Loading & Unloading 8
Securing the Load 9

Accessories 10

Changing Tires 11
Inspections & Maintenance 11
Maintaining Hub Lubrication 12
Installing Wheel Hub 13

Questions and Answers 14

Warranty 15
Warranty Registration 16

All material copyright © 2014 FLOE International, Inc. Unauthorized reproduction is strictly prohibited.

Important

Safety Information

Read and understand the owner's manual and all warnings/safety precautions before using trailer.

If the trailer is not assembled, installed, or operated properly, mechanical failure as well as serious injury or death could result. See to it that all users understand that this trailer requires the use of good judgement and the knowledge of its dangers and limitations.

SAFETY PRECAUTIONS

It is the owner's/operator's responsibility to check the following items each time before towing trailer.

- Never exceed the trailer or tongues maximum load capacity
- When possible, position load so the weight is centered over the axle
- Do not rely on the tailgate ramp to contain or stop cargo from sliding or rolling out of the trailer. Use good judgment and secure all cargo. Failure to do so may result in a road hazard which could cause serious injury and/or death.
- The ideal tongue weight should be 6% of the cargo weight but never over 125 lbs
- Reduce speed and/or cargo weight when traveling on rough roads
- Over loading and improper use of this trailer could cause structural damage, product failure and/or severe or fatal injury
- Monitor load at regular intervals while traveling
- Check that load is positioned to apply equal weight to all tires
- Check that load is secured so it will not move while underway
- Check that no structural damage to trailer exists, do not use if damaged
- Check that trailer is level with tow vehicle
- Check that trailer coupler is properly adjusted and securely attached to the hitch ball
- Check that safety chains or cables are attached properly
- Check that all lights are operating correctly
- Check that bed locking system (tilt clamp) is properly secured
- Check that tires are inflated to correct pressure and not excessively worn
- Check that lug nuts on each wheel are tight
- Check that wheel bearings are properly tightened and greased

WARNING

Failure to follow this manual's instructions may result in damage to your trailer or vehicle, and could cause severe or fatal injury to you or others.

WARNING

Maximum tongue weight capacity is 125 lbs.
MAXIMUM CARGO CAPACITY FOR EVENLY BALANCED LOADS IS 1800 LBS

Exceeding this load capacity could cause product failure and/or injury and death.

Reporting Safety Defects

If you believe that your trailer has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying FLOE International, Inc. at 1-800-336-6337.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or FLOE International, Inc.

To contact NHTSA, you may either call the Auto Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153); go to http://www.safercar.gov; or write to: NHTSA, US Department of Transportation, 1200 New Jersey SE, Washington, D.C. 20590. You can also obtain other information about motor vehicle safety from http://www.safercar.gov.

Using your FLOE trailer

Hitch Selection & Use

When selecting a hitch, there are four important things to keep in mind:

- **Load capacity --** Load should never exceed the load capacity of your hitch or tow vehicle.
- **Ball/hitch --** All FLOE tilt trailers use 2" couplers. Make sure trailer is connected to a properly secured 2" ball and hitch.
- **In-set or out-set hitch --** FLOE recommends an out-set or receiver-type hitch (See below).
- **Hitch Height --** Hitch should be set so the trailer is level.

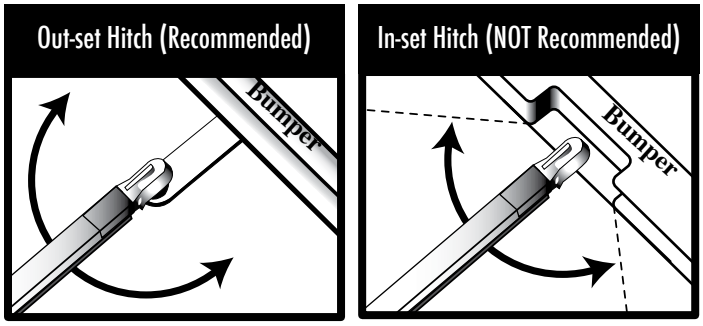
These illustrations show that a trailer's turning radius is significantly reduced when towed by vehicles equipped with an "in-set" hitch. To reduce the risk of tongue damage, we recommend the use of an "out-set" or "receiver-type" hitch.

WARNING

Pulling a trailer that is not level could greatly affect the trailer's performance and create an uncomfortable and dangerous situation while towing. It could also create excessive or negative tongue weight which can cause either tongue or axle damage.

WARNING

When turning or backing up, the vehicle operator must exercise good judgement. The manufacturer will not be responsible for damage from "jackknifing." Jackknifing is damage that results from the tongue or trailer coming in contact with the tow vehicle.



Using your FLOE trailer

Hitch Coupler Adjustment

All FLOE models have a lever lock hitch coupler. With a lever lock coupler, the amount of locking force can be adjusted to the diameter of the hitch-ball. A coupler that is adjusted too tight will make it difficult to push down on the lever lock and may cause vibration from the trailer to the tow vehicle. A coupler that is too loose runs the risk of coming off the hitch-ball. When properly adjusted you should be able to easily push down on the lever lock but yet not have any rattle between the hitch-ball and coupler when you apply upward force. To change the amount of locking force against the hitch-ball:

1. Release the hitch coupler locking lever (to its straight up position).
2. Locate the adjustment nut on the bottom of the hitch coupler.
3. Rotate the nut on the threaded shaft with a 3/4" socket. Turn counter-clockwise to decrease tightness, or clockwise to increase tightness.
4. Re-mount the trailer coupler on the hitch-ball.
5. Push down the hitch coupler locking lever to its original locking position.
6. Repeat steps 1 through 5 until a snug fit is obtained.

WARNING

Do not attempt to hook up or use any trailer that has structural damage. It is the operators responsibility to inspect the trailer before each use. A trailer failure could cause severe or fatal injury.

WARNING

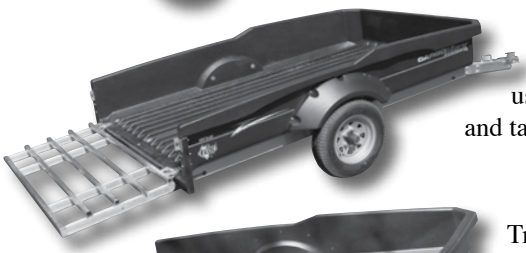
When connecting your trailer to the towing vehicle, it is important that your hitch coupler is adjusted with the correct amount of force for both smooth and safe trailer performance. A loose coupler could disconnect and cause product damage and/or serious injury or death.

Tilt Clamp

WARNING

Failure to properly tighten tilt clamp and secure safety cotter pin before towing trailer could cause the trailer to tilt while in transit. A trailer tilting while in transit could cause product failure, and/or severe or fatal injury.

Trailer in *level ramp mode* - slide clamp forward to tilt



Trailer in *limited tilt mode* using limiter strap and tailgate ramp

Trailer in *full tilt dump mode*

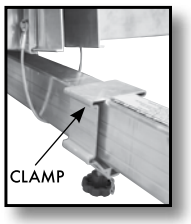
Note: If your trailer does not stay in the tilted position:

1. The tongue mounting bolt may not be tightened to optimal tension. Torque to 60 Ft/Lbs

The FLOE tilt clamp eliminates the hassle and rattle of a hitch pin design. To tilt, simply loosen the handle screw, remove the safety cotter pin, and slide clamp forward. When finished loading or unloading, slide clamp back on, replace cotter pin, and tighten handle screw.

1. Loosen knob on underside of tilt clamp.
2. Remove safety cotter pin.
3. Slide clamp forward. If the trailer is used without tailgate ramp, slide the limiter strap bracket ahead along with the tilt clamp. This will allow the bed to tilt back until it touches the ground.

4. To tilt trailer push down on rear of trailer.
5. Load trailer (see section on "Proper Loading and Unloading")
6. Tilt trailer back to horizontal position by pushing down on front of trailer.

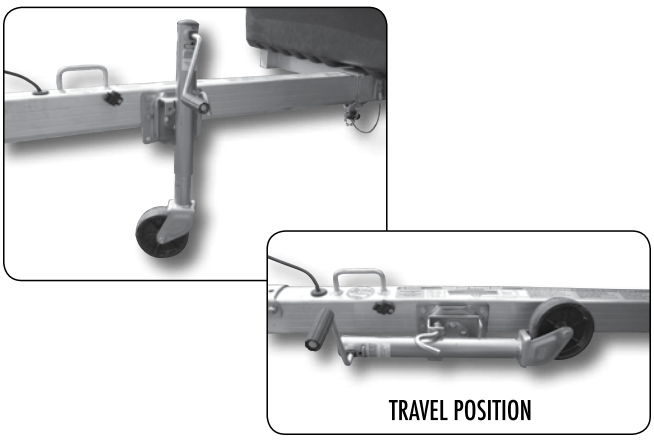


7. Slide tilt clamp back to original position, replace safety cotter pin, and tighten the knob enough to prevent it from loosening during use.

Secure Your Trailer

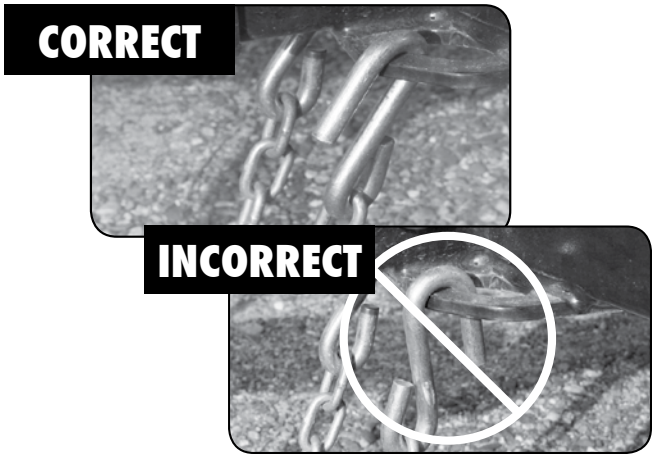
SECURING TONGUE JACK (IF EQUIPPED)

If your trailer is equipped with a tongue jack it must be properly secured in the travel position before moving the trailer (see image below).



CONNECTING SAFETY CHAINS

Safety chains must be hooked up every time the trailer is in use. To connect safety chains properly be sure they cross each other and the open end faces the trailer (see images below).



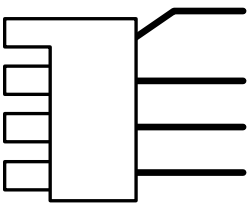
Trailer Lighting System

WIRE HARNESS CONNECTOR

• Your trailer is equipped with a plug-in receptacle on the trailer tongue (FIG. 1) to keep the electrical connector protected when not in use, as shown.

• To ensure trouble-free use, periodically inspect end plug for tight, corrosion-free contact and apply electrical grease as necessary to prevent future corrosion.

The wiring diagram below provides the information needed for wiring the towing vehicle harness/connector. It is important that the proper connections be made and that the system is tested before using your trailer.



White - Grounds all lights

Brown - Front & rear marker lights & tail lights

Yellow - Left turn/brake light

Green - Right turn/brake light

PROPER CONNECTION OF WIRING HARNESS TO VEHICLE. ALWAYS MAKE SURE CONNECTIONS ARE TIGHT.

⚠ WARNING ⚠

Make sure the wiring harness for the lighting system is long enough so that it is does not become unplugged when turning sharp corners. Disconnected lights can cause a serious or fatal accident.

⚠ WARNING ⚠

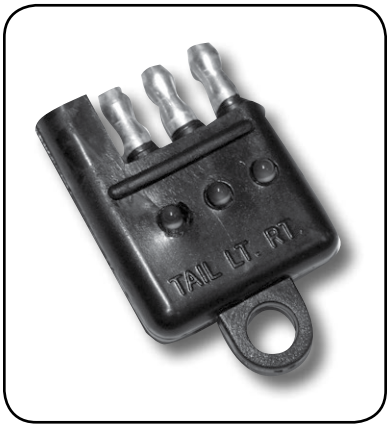
Lights must be properly connected to the tow vehicle and checked prior to each trailer use. Do not use trailer on any public road without all lights functioning properly. Malfunctioning lights fail to give other motorists proper notification of your actions and location which can cause a serious or fatal accident.

---------- IMPORTANT----------

For wiring and light replacement parts, see the assembly instructions.

WIRING TESTER

To test the wiring on your tow vehicle you can purchase an inexpensive tester at most auto supply stores.



Capacities & Weight Distribution

Specifications Trailer Weight (no accessories)	Load Capacity lbs/kgs	Max. tongue wt. lbs/kgs	GAWR lbs/kgs	GVWR lbs/kgs	Tires
290/132	1800/815	125/56	2090/948	2140/969	5.30 x 12" -C

Never exceed Trailers Max GAWR (Gross Axle Weight Rating) and tongue weight capacity.
Trailers cargo load capacity is reduced by the weight of additional options such as ramps, gates or cargo caps.

CARGO WEIGHT DISTRIBUTION

- It is extremely important to never exceed the maximum cargo capacity.
- Maximum cargo capacities are for evenly distributed loads which place the majority of the cargo's weight directly over both wheels evenly. A good example of this would be hauling several sheets of plywood.
- Loads should also be placed to distribute equal weight to both tires. This will balance your load and give you the best wear on your tires.
- Never place more than 50% of the total cargo capacity on one side of the trailer.

WARNING

Maximum tongue weight capacity is 125 lbs.
MAXIMUM CARGO CAPACITY FOR EVENLY BALANCED LOADS
1800 lbs Cargo Max XRT 8-57
Exceeding these load capacities could cause product failure and/or injury and death.

TONGUE WEIGHT CAPACITY

- It is extremely important to never exceed the maximum tongue weight capacity. Over loading the tongue could cause it to bend or break. A broken tongue could cause a serious or fatal accident.
- Loads should be placed on the trailer so that proper weight is applied to the tongue. The ideal tongue weight should be 6% of the cargo weight but never over 125 lbs. Increase or decrease the tongue weight by moving the load forward or backward.
- 125 pounds is generally easy to lift for most people. It is the users responsibility to understand what 125 pounds or less is.

WARNING

When traveling on rough roads, reduce cargo weight and speed to avoid causing structural damage to the trailer. Failure to do so could cause product failure and/or injury and death.

Loading your FLOE trailer

Proper Loading & Unloading

1. Prior to using the trailer loaded or unloaded it is imperative that no structural damage exists. Do a visual check to ensure that none of the structural components are bent or cracked.

• If damage does exist do not use the railer until it has been repaired by an authorized repair service.

• Under no circumstances should an attempt be made to straighten a bent structural component.

2. Never load or unload your trailer unless it is properly connected to your tow vehicle.

3. It is imperative that your tow vehicle and trailer are parked on level, even ground. Loading while parked on an incline or uneven ground could cause your trailer bumper to be at an improper angle.

4. Ensure the trailer is fully tilted and that it will stay in the tilted position until you have driven on to it.

5. Never load moving items such as ATVs and lawn mowers at speeds greater than 5 mph.

6. Never allow the load to cause the trailer to tilt down quickly and with a lot of force. This could cause structural damage to the tongue, tongue receiver and cross members.

7. After loading, make sure the tilt clamp is secure and will not work itself loose while being towed. Make sure the safety pin is attached.

8. Always test your footing before walking on the trailer's deck. It may get very slippery in cold, wet and snowy weather.

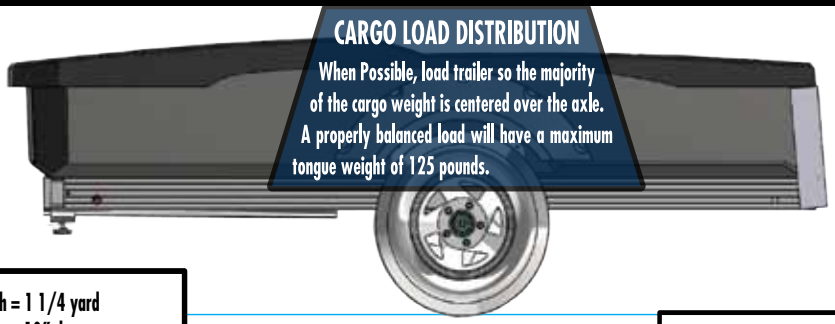
WARNING

Failure to follow the listed steps when loading or unloading could result in damage to your trailer, tow vehicle, the load you are hauling, and/or cause possible severe or fatal injury to yourself and others.

WARNING

Never exceed the cargo load rating of your trailer. When the trailer is loaded with dense or wet materials the load can easily exceed the rated cargo capacity. Do not allow the volume of the trailer to determine the load of your trailer. Always verify the weight of the cargo you are hauling. Failure to do so can cause severe damage and/or failure to the hauling vehicle, the trailer and nearby vehicles.

TRAILER LOAD REFERENCE GUIDE


CARGO LOAD DISTRIBUTION
When Possible, load trailer so the majority of the cargo weight is centered over the axle. A properly balanced load will have a maximum tongue weight of 125 pounds.

Wood Mulch = 1 1/4 yard
Pine Lumber = 10" deep
Shell Corn = 30 Bushels
Firewood = 1 1/8 Face Cord (4'x8'x16")
Peat = 1 1/8 yards
Black Dirt = 3/4 yard
Gravel = 1/2 yard
Sand = 1/2 yard

This information should only be used as a reference to assist in determining how much you can haul. Weights are based on normal moisture content.

	Quantity
Pine boards 2"x4"x8'	164
Sheetrock 4'x8'x5/8"	23
Plywood 4'x8'x1/2"	33
Sod rolls 18"x72"	31

Securing The Load

TIE DOWN INSTRUCTIONS

1. Use any of the eight tie down D-rings in the trailer bed as needed to safely secure your load.

   • The maximum capacity of each D-ring is 500 lbs of cargo weight. For instance: an ATV weighing 800 lbs should be secured to four tie down loops as shown in (FIG. 4).

2. Cargo must be secured so that tie down restraints can not become loose while traveling.

   • If the load were to shift forward or backward it could cause excessive tongue weight or negative tongue weight. Either situation could be dangerous.

3. When securing hooks through the ***SIDE*** of the tie down D-rings, either direction is appropriate -- see (FIG. 1).

4. When securing hooks through the ***TOP*** of the D-rings, make sure the hook faces up -- see (FIG. 2). **NEVER** use hooks in the position shown in (FIG. 3) as this provides a greater chance of failure.

WARNING

Ensure that the load is adequately secured. Load may become loose during travel. Check your load while traveling. Unsecured loads can cause product damage, road hazards and/or cause severe injuries and death.

WARNING

Do not ever strap the load to or over the side of the trailer bed. Doing so may lead to a dangerously unsecured load and may cause damage not covered under your warranty.

WARNING

When securing cargo, consider how it will behave if extreme acceleration, deceleration (fast braking), swerving, or poor road conditions occur. A load that shifts forward or backward may cause an unsafe situation which could result in product damage, severe injuries or even death.

SECURING THROUGH SIDE OF D-RING

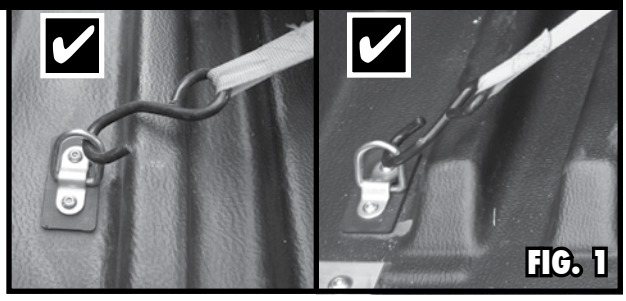


FIG. 1

SECURING THROUGH TOP OF D-RING

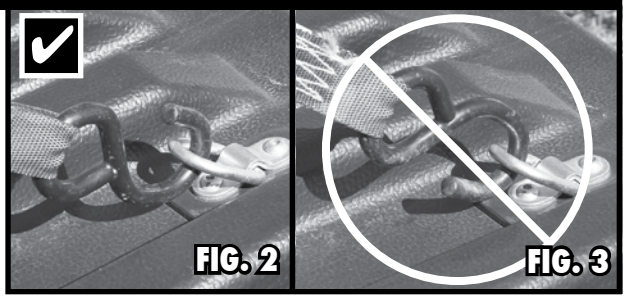


FIG. 2 FIG. 3

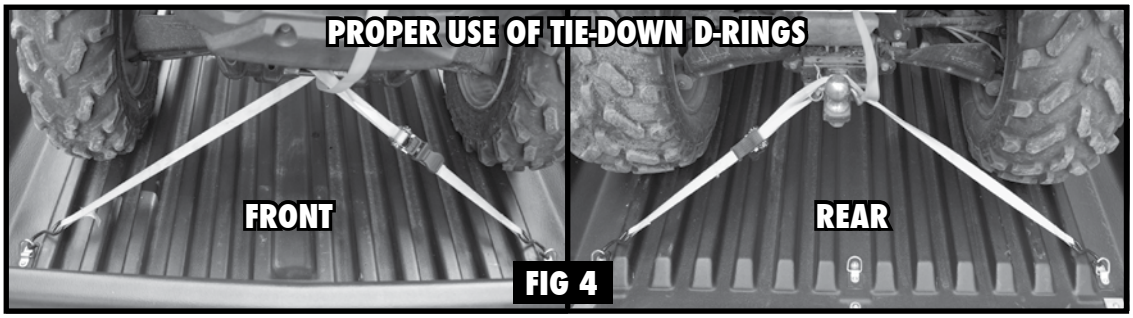


FIG 4

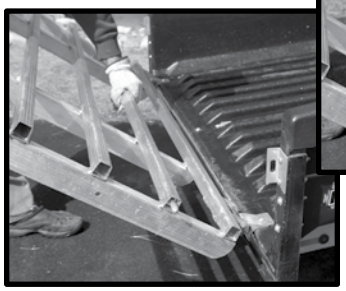
Optional Accessories

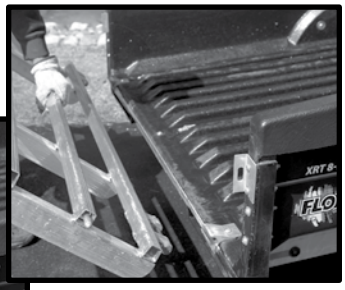
REAR ALUMINUM TAILGATE RAMP

When using the tailgate ramp, the trailer can either be left in regular (upright) position, or partially tilted using the limiter strap. This creates the perfect angle for low clearance items.

To lower tailgate ramp, simply squeeze the spring-loaded center latch.

Tailgate ramp removes in seconds with no tools. Simply tilt back and remove.



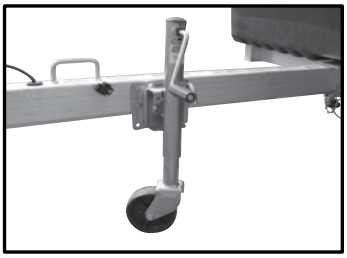


LIMITER STRAP

Ramp includes a limiter strap to minimize the angle for loading low clearance items while used with an optional tailgate ramp. If used without the tailgate ramp, slide the limiter strap bracket ahead, along with the tilt clamp. This will allow the bed to tilt back until it touches the ground.

TONGUE JACK

Simplifies coupling and uncoupling to a vehicle. Swivel wheel enables easy trailer movement by hand. Jack easily clamps to tongue and pivots up for travel.



Check web site for additional accessories and options.
www.floeintl.com

⚠ WARNING ⚠

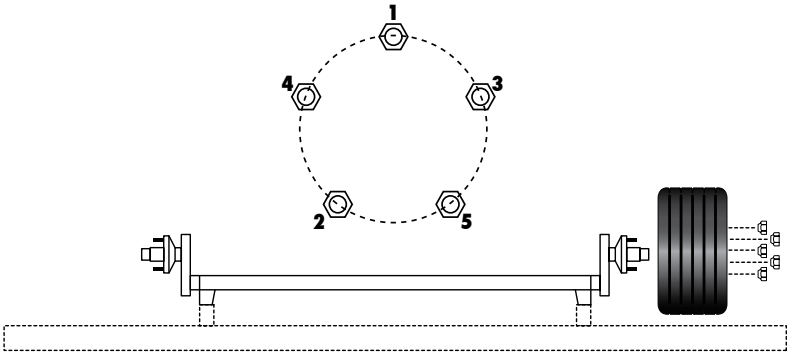
Do not rely on the tailgate ramp to contain or stop cargo from sliding or rolling out of the trailer. Use good judgment and secure all cargo. Failure to do so may result in a road hazard which could cause serious injury and/or death.

Procedure for

Changing Tires

CHANGING TIRES

1. Start all lug nuts by hand to prevent cross-threading and to ensure proper nut-to-rim seal.
2. Tighten bolts in the sequence detailed below in stages, first tighten to 25 ft./lbs. then 60 ft/lbs. and finally 80 ft./lbs.
3. Inflate tires to proper PSI as noted on the sidewall of the tire.



! WARNING !

Improper tire pressure can create severe dangers. Be sure your tires are always properly inflated.
The proper pressure for your tires can be found on the side wall of tire.

! WARNING !

Change worn tires. A tire failure could result in an uncontrollable road hazard.

Procedure for

Inspections & Maintenance

It is very important to read and follow these maintenance procedures to help avoid trailer failure. Any trailer failure resulting from improper maintenance may void your warranty.

COMPONENT	INSPECTIONS & MAINTENANCE	AVOID
Structure/Frame	a) Do a visual check to ensure that none of the structural components are bent or cracked before towing. If damage does exist do not use the railer until it has been repaired by an authorized repair service.	a) Loading the trailer in an unbalanced fashion (heavy on one side). b) Exceeding capacities of trailer and tongue.
Wheel Hubs	a) Adjust wheel bearings within the first 100 miles and every 2,000 miles, or annually thereafter, whichever comes first. (Inspect bearings, seals, and races - replace if worn.) To check for wear, jack up the trailer and pull on each wheel to see if there is any in and out play or "slop."	a) Getting sand in hubs or bearings. b) Neglecting to grease hubs.
Axle	a) Inspect trailing arms to make sure they are straight.	a) Leaving loaded for long periods
Tires	a) Keep tires properly inflated. b) Inspect periodically. (Replace when necessary)	a) Leaving loaded for long periods b) Driving with worn tires.
Aluminum Surfaces	a) Rinse periodically with water, particularly if driven on "salted" roadways. b) Remove grease, oil and dirt by scrubbing with soft bristle brush and mild detergent. Rinse with clean water.	a) Harsh, abrasive cleaners. b) Bolting or hard-mounting dissimilar metals to aluminum surfaces.
Molded Bed	a) Visually check for cracks.	a) Storage in direct sunlight.
Electrical System	a) Check that all lights are functioning properly before towing. b) Periodically check for build-up of oxidation or corrosion and clean when necessary. Use electrical grease in all wire and bulb connections to help prevent corrosion.	a) Leaving electrical connections exposed to elements and potential abrasions.

Procedure for
Maintaining Hub Lubrication

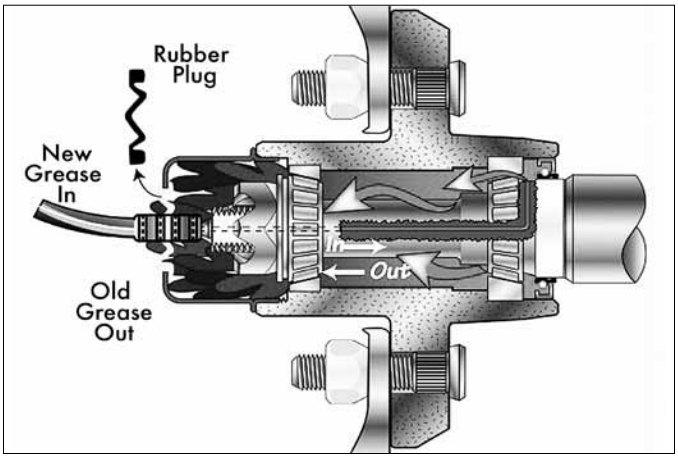
WHEEL HUB LUBRICATION

Your hub/spindle is equipped with a lubrication system. The bearings can be periodically lubricated without removing the hubs from the axle. The advantage to this system is that new grease saturates the inner bearing and outer bearing while pushing out the old grease, unlike systems that just push new grease on top of old grease.

1. Remove the rubber plug from the grease (hub) cap.
2. Use a standard grease gun on the grease fitting located at the end of the spindle, or behind the hub, making sure the grease gun nozzle is engaged on the fitting tightly.
3. Pump grease into the fitting, while slowly turning the wheel. Grease will flow out of the hub around the spindle.
4. When the grease appears to be the new clean grease, remove the grease gun and wipe off any excess grease.
5. Replace the rubber plug in the cap.

- - - - - - - - - - - - - IMPORTANT - - - - - - - - - - - - -

A complete inspection and greasing of wheel hubs is required annually or every 2,000 miles, whichever comes first.

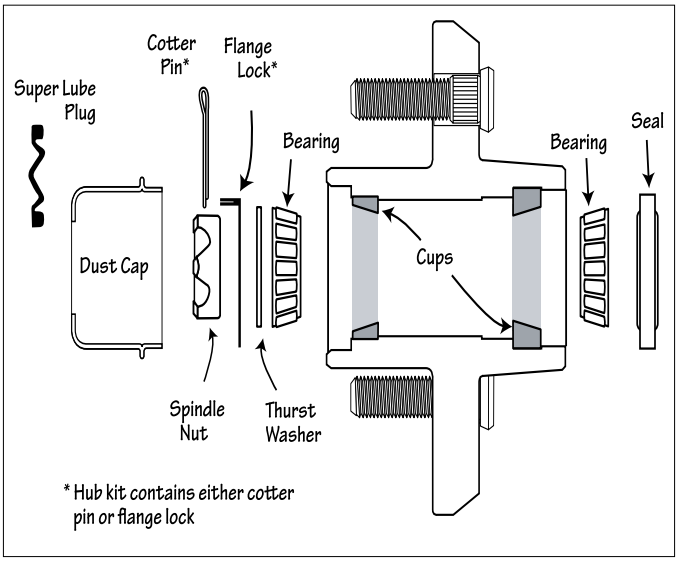


Procedure for
Installing Wheel Hub

REMOVAL/REMOUNTING FOR THE WHEEL HUB

Removing the hub for inspection or maintenance should be done in a safe location away from moving vehicles.

1. Safely elevate and block trailer so that it will not move.
2. Remove the tire/wheel assembly.
3. Remove the grease cap from the hub by prying around the edge of the cap.
4. Bend the locking tang washer to the “free” position.
5. Remove the spindle nut in a counterclockwise direction and remove the spindle washer.
6. Remove the hub from the spindle. Be careful not to allow bearings to fall out of the hub.
7. Clean bearing and cup surfaces, repack with lithium marine grade grease.
8. Place hub on spindle in reverse order as listed above. Rotate the hub while tightening the spindle nut to approximately 50 ft lbs. This translates into full hand pressure with a 12” long set of pliers or 12” long wrench.
9. Loosen the spindle nut. Do not rotate hub.
10. Finger tighten the spindle nut until snug, backing out only to line up the locking tang washer.
11. Bend the locking tang tab in place.
12. Replace grease/hub cap.
13. Test hub with wheel mounted for excessive play or tightness, readjust if required.



SUPER LUBE™

SUPER LUBE
LIMITED WARRANTY

Limited Warranty TIE DOWN ENGINEERING Inc. ("TIE DOWN") warrants its products to be free from defects in material and workmanship for one year from date of delivery when properly maintained by the purchaser. One year for parts and labor.

This warranty does not apply to damage or loss caused by any or all of the following circumstances or conditions:

- Damage caused during installation.
- Parts, accessories, materials or components used with or replacing any TIE DOWN braking system not obtained from or approved in writing by TIE DOWN.
- Misapplication, misuse and failure to follow the directions or observe cautions and warnings on installation,operation, application, inspection or maintenance specified in any TIE DOWN quotation, acknowledgement, sales literature, specification sheet or installation instruction and service manual ("applicable literature").
- Use of product in any other application other than those described in TIE DOWN's product information materials.

If any TIE DOWN products are found upon TIE DOWN's examination to have been defective when supplied, TIE DOWN will either: credit the purchaser's account for the purchase price of the TIE DOWN product; replace the TIE DOWN product; or repair the product. TIE DOWN has sole discretion in choosing which option to provide. For this LIMITED WARRANTY to apply, TIE DOWN must receive notice of the alleged defect within 30 days of either the discovery of the alleged defect or the expiration of the warranty period, whichever is earlier. Any claim not made within this period shall conclusively be deemed waived.

If requested by TIE DOWN, purchaser shall return the alleged defective product to TIE DOWN for examination at purchasers expense. TIE DOWN will not pay for expenses incurred in returning a product to TIE DOWN without TIE DOWN's prior written authority. TIE DOWN shall not be liable for any other expenses purchaser incurs to remedy any defect. Purchasers waive subrogation on all claims under any insurance.

Limitation of Liability: It is expressly agreed that the liability of TIE DOWN is limited and TIE DOWN does not function as an insurer. THE REMEDIES SET FORTH IN THIS WARRANTY SHALL CONSTITUTE THE EXCLUSIVE REMEDIES AVAILABLE TO THE PURCHASER OR USER AND ARE IN LIEU OF ALL OTHER REMEDIES, EXPRESS OR IMPLIED. THE LIABILITY OF TIE DOWN, WHETHER IN CONTRACT, IN TORT, UNDER ANY WARRANTY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE OF THE PARTICULAR PRODUCT MANUFACTURED, SOLD OR SUPPLIED BY TIE DOWN.

To Obtain Technical Assistance: To enable TIE DOWN to respond to a request for assistance or evaluation of customer or user operating difficulty, please provide at a minimum the following information by calling 404-344-0000:

- Model number, serial number and all other data on the specific component which appears to be involved in the difficulty.
- The date and from whom you purchased your TIE DOWN product.
- State your difficulty, being sure to mention at least the following: Application, Nature of load involved, and Weight of the load.

Field Service If field service at the request of the purchaser is rendered and the difficulty is found not to be with TIE DOWN's product, the purchaser shall pay the time and expense (at the prevailing rate at the time of service) of seller's field representative(s). Charges for service, labor and other expenses that have been incurred by the purchaser, its customer or agent without prior written authorization of TIE DOWN will not be accepted.

TIE DOWN EXTENDS NO WARRANTY, EXPRESS OR IMPLIED, ON PRODUCTS NOT MANUFACTURED BY TIE DOWN OR TO TIE DOWN'S DESIGN SPECIFICATION, INCLUDING BUT NOT LIMITED TO SUCH ITEMS AS NON-TIE DOWN TIRES, BRAKES, ACTUATORS, BEARINGS, HOSE AND TUBING. PURCHASER'S RECOURSE SHALL BE LIMITED TO ANY WARRANTY OF THE RESPECTIVE MANUFACTURERS.

THIS WARRANTY EXCLUDES ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY PURPOSE.

THIS WARRANTY DOES NOT COVER NOR EXTEND TO INCIDENTAL OR CONSEQUENTIAL DAMAGE. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

No representative has authority to make any representation, promise or agreement except as stated in this Limited Warranty. TIE DOWN reserves the right to make design and other changes upon its products without any obligation to install the same on any previously sold or delivered products.

DUE TO THE WIDE VARIATION IN USES TO WHICH TIE DOWN PRODUCTS (WHEELS, HUBS, BRAKES, ETC.) ARE SUBJECTED BY USERS, WE ARE UNABLE TO SPECIFY CARRYING CAPACITIES OR SPEEDS FOR A PARTICULAR APPLICATION. THEREFORE, THE MANUFACTURER MUST TEST HIS EQUIPMENT UNDER THE MOST SEVERE CONDITIONS TO DETERMINE THAT TIE DOWN PRODUCTS ARE SUITABLE.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THOSE DESCRIBED ABOVE. EFFECTIVE JANUARY 2003 THIS WARRANTY SUPERSEDES ALL PRIOR WARRANTIES, WRITTEN OR IMPLIED.

Part #08200

TIE DOWN ENGINEERING • 255 Villanova Drive SW • Atlanta, GA 30336
www.tiedown.com (404) 344-0000 Fax (404) 349-0401

TIE DOWN ENGINEERING

082114,C1288

Trouble Shooting

Questions & Answers

WHAT CAN CAUSE VIBRATION IN MY TOW VEHICLE?

1. Over-tight hitch coupler -- See procedure for adjusting hitch coupler earlier in this book.
2. Loose or worn wheel bearings -- See procedure for replacing wheel hub earlier in this book.
3. Loose wheels -- See procedure for changing tires earlier in this book.
4. New tires -- It is possible that the new tires are out of round. Once they are inflated to the proper PSI and used for a short period of time on a loaded trailer, they should work themselves round. New tires that are still out of round after an ample break in period may be defective and need to be replaced. Call the tire manufacturer or your local FLOE dealer for replacement.
5. Unbalanced wheel hubs -- If your tires are balanced and not out of round this may be the problem. Replace if necessary.

WHY DOES MY TRAILER SWAY OR WHIP?

1. Trailer is not being towed level -- Refer to hitch selection and use section of this manual.
2. Not enough tongue weight -- Refer to loading and unloading section of this manual.
3. Overloaded trailer -- Refer to loading and unloading section of this manual.
4. Too much tongue weight -- Refer to loading and unloading section of this manual.

WHY ARE MY TIRES WEARING UNEVENLY?

1. Unequal side-to-side loading -- Refer to Proper Loading and Unloading section of this manual.
2. Tires not inflated to proper PSI
3. Wheel bearings are not properly tightened & oiled.

CAN I REPLACE MY TIRES WITH LARGER ONES?

1. No, The Cargo Max was designed for use with 5.30 x 12”-C tires and these may not be substituted for a larger size. A 12” mag wheel upgrade is available.

WHY DO I KEEP BLOWING FUSES WHEN I CONNECT OR USE MY TRAILER LIGHTS?

1. A wire is cut or bare and is shorting out -- Visually locate and repair or replace.
2. Wrong size fuse in tow vehicle -- The trailer lighting system draws 1/2 amp not taking into account anything else on this circuit.

WHY DO MY LIGHTS BLINK ON AND OFF?

1. Corrosion on wire connections -- Check all connections for corrosion, clean and apply electrical grease to prevent future corrosion.
2. Improper or loose ground to tow vehicle -- This may cause all lights to blink or cause your marker lights to blink when you turn on your turn signals.

WHAT KIND OF GREASE SHOULD I USE IN MY HUBS?

1. High-quality high-temperature lithium wheel bearing grease. Never use grease heavier than 265 A.S.T.M. penetration (No. 2 grade).

----------IMPORTANT----------

For additional information, please contact your Authorized FLOE Dealer, visit our website at www.floeintl.com or call: 1-800-336-6337 to locate the dealer nearest you.

FLOE INTERNATIONAL, INC. CARGO MAX TRAILER 1 YEAR LIMITED WARRANTY

FLOE International warrants, to the original purchaser Cargo Max trailers to be free from original defects in materials and workmanship under the conditions and loads for which designed and from date of purchase as follows:

ALUMINUM TRAILER STRUCTURES, LIGHTING SYSTEM AND FORMED CARGO MAX BED

FLOE INTERNATIONAL will repair or replace, at its option, any portion of the aluminum structure, formed trailer bed and lighting system (excluding L.E.D. bulbs and lenses,) which fails as a result of a defect in material or workmanship during the first year after purchase.

AXLE AND HUB

Axle, hubs, drums, brakes, bearings and seals are covered for a period of one (1) year from the date of purchase when installed, used and maintained properly by the purchaser. Warranty service is provided and performed by the manufacturer "Tie Down Engineering". Tie Down can be reached for warranty service during normal business hours at 404-344-0000.

TIRES

Warranty is provided by the tire manufacturer Green Ball Corp. Green Ball can be reached for warranty service during normal business hours at 1-800-946-9412.

This warranty covers only the cost of replacement of materials due to defects in materials or workmanship and represents the only warranty authorized by us. In order to receive performance under this warranty, all warranty repairs must be authorized in advance by FLOE International. FLOE International will not be responsible for any costs incurred for unauthorized repairs! Unauthorized repairs may void the warranty on items repaired! This warranty does not cover any damages due to overloading of trailer, damage resulting from road hazards, damage caused by wear rods or traction products, jackknifing, misuse, or negligence. This warranty covers personal use and does not apply to commercial or rental uses. The manufacturer is not responsible for damage where repairs have been made or attempted by others. Items purchased by FLOE INTERNATIONAL are warranted by the original manufacturer and warranty is extended to the original purchaser. FLOE INTERNATIONAL reserves the right to inspect and perform rework at its main facility (F.O.B.) McGregor, Minnesota. Freight is the responsibility of the consumer. Specifications may change without notice or obligation. To receive performance under this warranty, contact FLOE International, Inc. at 218-426-3563.

THERE ARE NO OTHER EXPRESSED WARRANTIES OR ANY IMPLIED WARRANTIES.

Our obligations under this warranty are limited to repair or replacement at our discretion,

AND WE SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND.

This warranty gives you specific legal rights and you may have other rights which may vary from state to state.

WARRANTY REGISTRATION

NOTE: If you are unable to register online, please photocopy and fill out the form below and place in an envelope with proper postage or quickly register online. Please complete all information requested and address it to: FLOE International Inc., Warranty Registration Dept., 48473 State Hwy 65, McGregor, MN 55760-9514. FLOE INTERNATIONAL, INC. is not responsible for lost, stolen or misplaced warranty registrations.

NAME: _____ PHONE: _____ / _____

ADDRESS: _____CITY: _____ STATE: _____ ZIP: _____

DATE PURCHASED: _____/ _____/ _____ PURCHASED FROM: _____

E-mail:_____

☐ Yes please ☐ No you cannot contact me via e-mail with great offers and special promotions from FLOE International and it's quality authorized dealers.

PRODUCT PURCHASED *Please check all that apply*

☐ FLOE CARGO MAX XRT 8-57..... VIN#:_____

☐ Optional Tongue Jack ☐ Optional Tailgate Ramp ☐ Optional Mag Wheels ☐ Optional Spare Tire

TELL US ABOUT YOURSELF

How did you hear about FLOE:_____

Family Income: ☐ 25,000 - 50,000 ☐ 50,000 - 75,000 ☐ 75,000 - 100,000 ☐ 100,000 - 150,000 ☐ 150,000 - 250,000 ☐ over 250,000

Your Occupation: ☐ Professional/Technical ☐ Upper Management/Executive ☐ Middle Management ☐ Sales/Marketing ☐ Clerical/Service Worker ☐ Tradesman/Machine Operator/ Laborer

Spouses Occupation: ☐ Professional/Technical ☐ Upper Management/Executive ☐ Middle Management ☐ Sales/Marketing ☐ Clerical/Service Worker ☐ Tradesman/Machine Operator/ Laborer

Age Range: ☐ 18 - 29 ☐ 30 - 45 ☐ 46 - 60 ☐ over 60 Education: ☐ High School ☐ 2 year college ☐ 4 year college ☐ Graduate school

What most influenced you to buy a FLOE product: (select one) ☐ Advertisement ☐ Quality ☐ Warranty ☐ Price ☐ Style/Appearance ☐ Features/Benefits

Instantly register your FLOE products online! www.floeintl.com/registration

All material copyright © 2014 FLOE International, Inc. Unauthorized reproduction is strictly prohibited.